

ABSTRACT OF THE DISCLOSURE

A radio power output amplifier comprises a balanced
radio power output that differentially drives a dipole
5 antenna or other balanced load. One half of the
differential power output drives one side of the antenna
from ground to the maximum positive rail, while the other
half of the differential power output drives the opposite
side of the antenna from the maximum positive rail to
10 ground. The result is a voltage swing across the antenna
that is twice that which would occur if a single ended
output was driving an unbalanced load. Since the power
output is the square of the voltage divided by the load
impedance, the result is four times the power output.